Comparative statement

Government of Karnataka

Form No. PWG-45

BBMP, RR Nagar

Name Of Works : Construction of basketball court and Aldie park developments in sharadamda nagara in ward no 16

Estimate Amount: 100.00 Lakhs

Sl No	Description of Item	Unit	As per Sanction Estimate			As per Tender			Total Executed Qty	upto 125%			Above 125% more than tender Qty				
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount	Total Amount	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	KSRB 2.9.1 Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually / other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications specification No. KBS 2.1	cum	1070.75	380.00	406885.00	275.00	380.00	104500.00	275.00	275.00	380.00	104500.00	0.00	0.00	0.00	104500.00	0.00
2	KSRB 2.2.1 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation cum with lead upto 50 m after breaking of clods complete as per specifications as per specifications 2.9 KSRB 2.2.1 - do - in ordinary soil Nos KBS 2.1(a) 2.3.5 (Page - 5/ Item no 2.3)	cum	352.60	436.00	240933.60	153.36	436.00	66864.96	153.36	153.36	436.00	66864.96	0.00	0.00	0.00	66864.96	0.00
3	KSRB 4.1.2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregates (@0.8Cum and fine aggregates @ 0.4eCcum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in cum foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1, 4.2 (P.No 133 No. 4.2.1 2018-19)	cum	49.85	5781.00	288182.85	24.77	5781.00	143183.81	24.77	24.77	5781.00	143183.81	0.00	0.00	0.00	143183.81	0.00
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour curing complete as per specifications KBS 5.1.13	cum	224.32	5115.00	1147396.80	38.59	5115.00	197398.08	38.59	38.59	5115.00	197398.08	0.00	0.00	0.00	197398.08	0.00
5	KSRB 5.3.1 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chattle dressed in courses not less than 15 cms high bond stones at two m apart in each course including cost of materials, labour curing complete as per specifications KBS 5.1.13	cum	160.65	6103.00	980446.95	14.47	6103.00	88322.62	14.47	14.47	6103.00	88322.62	0.00	0.00	0.00	88322.62	0.00
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.45Wcum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, for coping Including cost of all materials, labour HOM, curing complete as per specifications Specification No. KBS 4.1.4.2	cum	22.43	6035.00	135365.05	3.70	6035.00	22312.30	3.70	3.70	6035.00	22312.30	0.00	0.00	0.00	22312.30	0.00
7	KSRB 15.1.1 Providing flush pointing to square rubble, coarse or unscoursed stone masonry with cement mortar 1:3, 20mm deep after raking joints to depth of 20mm neatly lining, including cost of materials, labour curing complete as per specifications	Sqm	714.00	157.00	112098.00	133.20	157.00	20912.40	133.20	133.20	157.00	20912.40	0.00	0.00	0.00	20912.40	0.00
8	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc complete Page No. 27/ Item No. 5.29.2 PWD SR 2018-19	Sqm	1697.78	491.00	833609.98	0.00	491.00	0.00	0.00	0.00	491.00	0.00	0.00	0.00	0.00	0.00	0.00
9	KSRRB 800.1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications MORTH Chapter 8 Page No. 180 Item No. 24.1/ PWD SR 2018-19	Sqm	305.60	89.00	27198.40	0.00	89.00	0.00	0.00	0.00	89.00	0.00	0.00	0.00	0.00	0.00	0.00
10	KSRB 14.6.1 Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force therebo forcing part of sand underneath to come up in between joints, final compaction of pavet surface screts into its final level including cost of	Sqm	859.80	1230.00	1057554.00	0.00	1230.00	0.00	0.00	0.00	1230.00	0.00	0.00	0.00	0.00	0.00	0.00
11	KSRRB M700. 2.1 Grassing with Doorbs grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing excluding supplying good earth if needed complete as per specifications MORTH specification No. 307 (1) In rows 15 cm apart in either direction	Sqm	1968.00	51.00	100368.00	0.00	51.00	0.00	0.00	0.00	51.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 gauge M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members andwork as the drawing etc complete All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc complete The work includes cost of all materials labour charges for all items of work, hire charges for welding, cutting and grinding equipments and electricity charges with lead and lift loading and unloading charges etc complete as per specification	Sqm	7.20	3352.00	24134.40	3.60	3352.00	12067.20	3.60	3.60	3352.00	12067.20	0.00	0.00	0.00	12067.20	0.00

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	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms including cost of all materials cutting, bending scaffolding wherever necessary, neatly finishing the welded joints with all lead lifts and as per the directions of the Engineer in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications KPWD S R 2018 19 Page No: 266 (No: 37.2	Mtr	293.40	950.00	278730.00	0.00	950.00	0.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Providing and fixing M.S. Block pipe of 38mm dia of heavy gauge of 14 including removing the bends cutting the pipe, and fixing pipe in between the existing two vertical poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc. complete including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications KPWD S R 2018 19 Page No: 266 (No: 37.4	Mtr	464.80	454.00	211019.20	0.00	454.00	0.00	0.00	0.00	454.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Providing chain link fencing 50mm size of 8 gauge properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications KPWD S R 2018 19 Page No: 266 (No: 37.3	Sqm	891.00	796.00	709236.00	530.40	796.00	422198.40	530.40	530.40	796.00	422198.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Supplying and fixing polished grey granite slab benches of size 5 feet width of seating slab with bottom slab of 75mm th with 1.5 feet width with two stands strong base with back slab (support) machine cutting top slab mirror polish with 50 mm Th with 1.5 feet depth side slab of 100 mm th 2.5 feet height including hull moving of all edges fixing in CC 1:2:4 including loading & unloading and with all lead and lift etc. complete and executing the work as per the direction of Engineer in-charge of the work	No	30.00	10500.00	315000.00	0.00	10500.00	0.00	0.00	0.00	10500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Fabricating, supplying and erection of Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft IS 2062 for base plate with door opening arrangements including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for Mtrs pole in single section and single point welded as per IS 9595/IS 1017 BAWS having dimensions bottom mm, top mm with 5mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65microns as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended 10 meters - Top 70mm and bottom 175mm dia(4.2.8) Pg no 13	No	8.00	15711.00	125704.00	0.00	15713.00	0.00	0.00	0.00	15713.00	0.00	0.00	15713.00	0.00	0.00	0.00	0.00	0.00
18	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures Operating voltage range from 180V to 265V, 50Hz AC power Supply 240W 5700K suitable for outdoor LED fittings (13.52.9)	No	8.00	8757.00	70056.00	0.00	8757.00	0.00	0.00	0.00	8757.00	0.00	0.00	8757.00	0.00	0.00	0.00	0.00	0.00
19	KSRRB M/03.1.4 Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications MORTH Specification No 3011(pg no-143.5 Lno-19.1.4)KPWD S R 2018 19	cum	190.20	88.00	16737.60	218.40	88.00	19219.20	218.40	218.40	88.00	19219.20	0.00	0.00	0.00	19219.20	0.00	0.00	0.00
20	Construction of granular sub-base Grading V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density complete as per specifications Clause 401 of MORTH V Revision (pg no- 153.5 Lno-20.5)KPWD S R 2018 19	cum	189.00	2080.00	393120.00	162.00	2080.00	336960.00	162.00	162.00	2080.00	336960.00	0.00	0.00	0.00	336960.00	0.00	0.00	0.00
21	KSRRB M/600.1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.8cum and fine aggregates 600.5Bcum over a prepared sub base, coarse and fine aggregate conforming to IS 383:2016 aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600.1 optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days mixed in a batching plant transported to site laid with a paver compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications Clause 601of MORTH V Revision and IS 456 Table 5 dc- with OPC at 150 kg/cum and coarse aggregate 0.8cum, fine aggregate 0.5Bcum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver (P No:174, Lno: 22.1.2 of PWD SR 2018.19)	cum	95.10	4071.00	387152.10	82.20	4071.00	334636.20	82.20	82.20	4071.00	334636.20	0.00	0.00	0.00	334636.20	0.00	0.00	0.00
22	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum Coarse and fine aggregate conforming to IS 383-2016, with Superplasticizer at 3 lts conforming to IS 9103-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 microns thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle vibrator and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint fillet, separation membrane of impermeable plastic sheet of 125 micron, sealant primer, joint sealant admixtures as approved, curing compound, finishing to lines and grades textured with texturing machine and curing, including cost of all materials, labour hire charges of machineries all lead & lift charges etc. complete as per specifications dc- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine	cum	95.10	5405.00	514015.50	151.85	5405.00	520760.00	151.85	118.80	5405.00	642519.30	22.50	5878.37	193847.79	836367.27	4520.97	0.00	
23	Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibrators, Power Floater, blade and disc etc. with all lead and lift, Pg 176 Item No 22.7 in SR 2018-19	Sqm	630.00	76.00	47880.00	0.00	76.00	0.00	0.00	0.00	76.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47880.00
24	Basket ball marking with white paint in machine as per the drawing	Sqm	1.00	50000.00	50000.00	4.00	50000.00	200000.00	4.00	1.25	50000.00	62500.00	1.75	70000.00	137500.00	262500.00	150000.00	0.00	0.00
25	Basket ball net and board with M.S pole firmly fixed with concrete	Sqm	2.00	125000.00	250000.00	2.00	125000.00	250000.00	2.00	2.00	125000.00	250000.00	0.00	0.00	0.00	250000.00	0.00	0.00	0.00
26	KSRRB M/2300.2 Formulating and Placing Reinforced / Prestressed cement concrete in super structure as per drawing and Technical Specification M 40 grade concrete as per specifications I PSC Grade M-40 Cate - I Using Concrete Mixer MORTH Specification No 1900,1905 & 1906 Height up to 5 m (P 23c 1 No:29.20.1)	cum	5.23	7856.00	41244.00	5.57	7856.00	43718.64	5.57	5.57	7856.00	43718.64	0.00	0.00	0.00	43718.64	0.00	0.00	0.00

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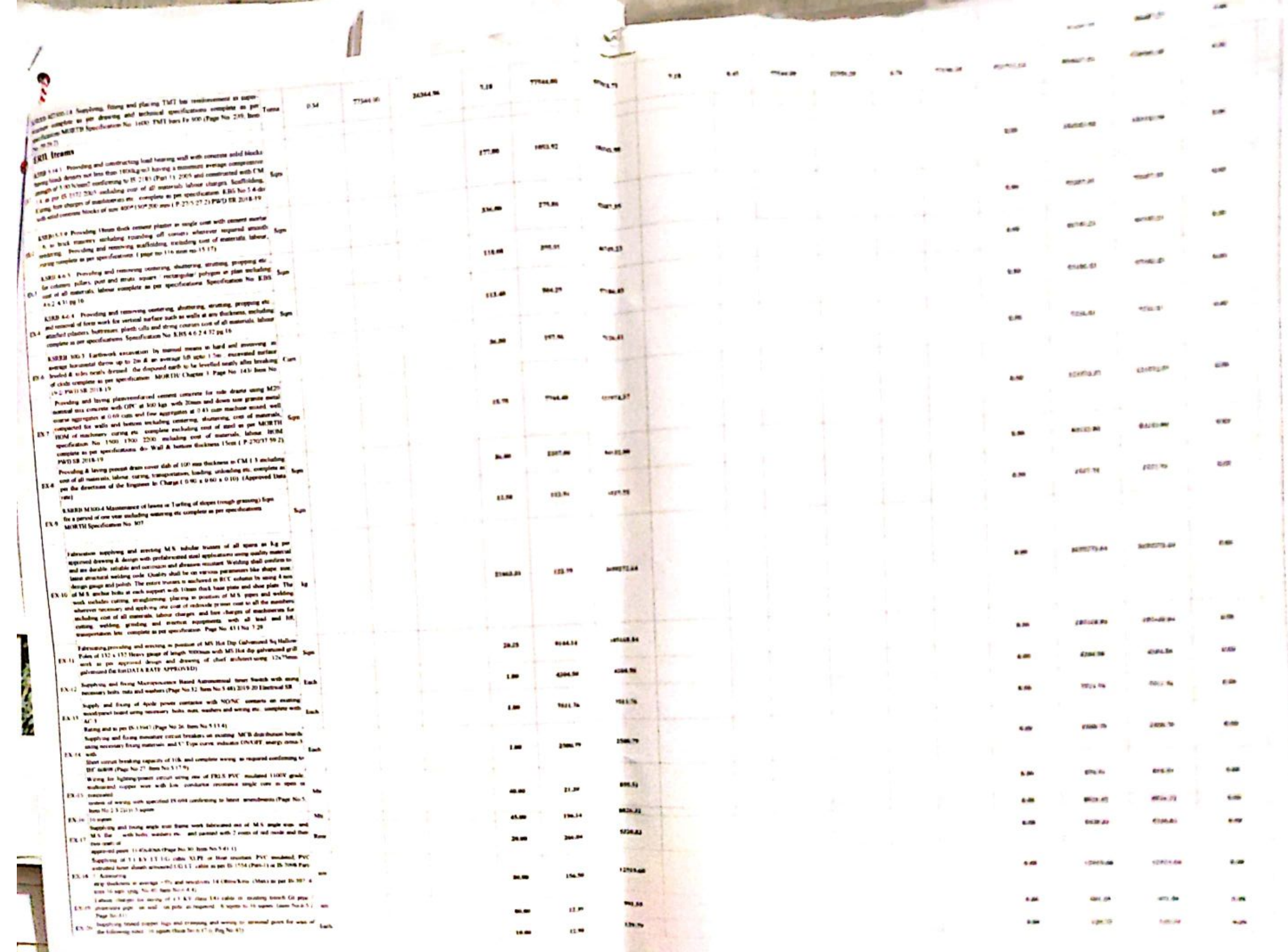

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	supplying and Fixing mm dia class A GI pipe bracket up to 2.7 meters long embedded with a reducing collar of 40x25mm to which extra pipe of 175mm length is to be fixed by using MV 9V MH/TTL street light fitting of all capacitors on rail/RCC/wall/tubular pole using suitable clamps, bolts, nuts and wiring using suitable capacity wires. Using 25mm dia G.I Pipe (Item No: 14.2.2. Pg No: 59)				46.00	1097.55	[illegible]7.37						0.00	50487.37	50487.37	0.00
	Supply of Bee integral reluctance luminary fittings The cast aluminium base with suitable powered electronic control gear to operate on 170 to 250V 50Hz AC Supply and suitable th stage reluctance lamp. The fitting should have fitted with toughened transparent glass heatlens etc completely the body of the fitting shall be finished with black grey powder coated paint with enclosure conforming to IP54 specifications (SOR Item No: 4.26.2. Pg No: 24)	Each			16.00	28012.61	448201.68						0.00	448201.68	448201.68	0.00
	Providing and brushing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brushing the surface to remove all dirt and loose powdered material free from mortar drops and other foreign matter cost of materials, labour complete as per specifications (Item No: 15.104. Pg No: 127)	Each			159.00	199.06	31650.80						0.00	31650.80	31650.80	0.00
	Providing textured paint of approved quality colour and shade to Sqm wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles. the surface is then cleaned with water and ensured that it is in line and level. The textured material is then stirred with 40-50% of clean water until a homogeneous thick slurry is formed the slurry is left for 5-10 min to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding all lead and lift and all other incidental charges etc complete as per directions of the Engineer-in-charge of the work (Item No: 15.105. Pg No: 128)				2304.60	485.49	1118858.46						0.00	1118858.46	1118858.46	0.00
	Sub Total			8790432.39		8775010.53				2800769.38		853059.14	8788266.46				
	Under Premium & Miscellaneous													8788266.46	6149048.44	61427214.37	
	TOTAL			8790432.39		8775010.53											

Contractor Quoted the Rates +6.33% Above the S R Rates

1) Estimated amount	10000000.00
2) Tendered Amount	8790432.00
3) Actual amount As per Modified Estimate (Work Slip+ERL)	8788266.46
Percentage of (3)/(2)	99.9754%
Savings	2165.54

Since the overall expenditure is lesser than estimated amount. The Work slip & ERL may please be approved

Work Slip %	-	Excess/Tender amount	11.44%
ERL %	-	ERL//Tender amount	45.32%

Assistant Engineer
Ward No: [illegible]
BBMP

ASSISTANT EXECUTIVE ENGINEER
Yeshwanthpura Sub Division
BBMP

EXECUTIVE ENGINEER
R R Nagara Division
BBMP

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿನಗರ ವಿಭಾಗ
ಬೃಬಿಂಮಪಾ. ಬೆಂಗಳೂರು.

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